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IN THE CLAIMS:

Please amend claims 1, 3, 6-13, 18-20, and 22 to read as follows. Please also add new claim 23.

1. (Currently Amended) An apparatus for the generation of sanitizing chemicals, the apparatus comprising:

a buoyant enclosure configured to float freely on a body of water;

a plurality of electrodes extending outward from the buoyant enclosure, the electrodes configured to generate chlorine from salt dissolved in water;

~~a power source disposed within the buoyant enclosure~~

~~a polarity reversing module electrically connected to the plurality of electrodes,~~

a plurality of photovoltaic solar cells disposed on the buoyant enclosure, the plurality of photovoltaic solar cells configured to provide power to the electrodes;

the plurality of photovoltaic solar cells disposed at an angle to the horizon when the buoyant enclosure is allowed to float in a body of water.

2. (Original) The apparatus of claim 1, wherein the buoyant enclosure comprises an upper buoyant housing and a lower buoyant housing disposed to one side of the upper buoyant housing.

3. (Currently Amended) The apparatus of claim 1, ~~wherein the buoyant enclosure is configured to float freely within a body of water~~ further comprising a polarity reversing module electrically connected to the plurality of electrodes, the polarity reversing module configured to periodically alternate the electrical polarity of the electrodes, thereby preventing corrosion of the electrodes.

4. (Original) The apparatus of claim 2, wherein the upper and lower buoyant housings comprise a floatable composite plastic material.

5. (Original) The apparatus of claim 1, wherein the buoyant enclosure is configured with a polyhedral shape.

6. (Currently Amended) The apparatus of claim ~~4~~ 5, wherein the ~~buoyant enclosure~~ is configured with a photovoltaic cell attached to each side of the polyhedron polyhedral shape comprises a plurality of sides, wherein each side is set at a decline angle.

7. (Currently Amended) The apparatus of claim ~~4~~ 6, wherein ~~the buoyant enclosure~~ comprises a polyhedron of eight sides, at least one photovoltaic solar cell is attached to each side.

8. (Currently Amended) The apparatus of claim ~~7~~ 1, wherein the buoyant enclosure comprises at least one central photovoltaic solar cell disposed in a substantially flat position on the buoyant enclosure, the at least one central photovoltaic solar cell located amid the plurality of photovoltaic solar cells disposed at a decline angle on the buoyant enclosure. and 8 photovoltaic cells each of which is attached to one side of the enclosure.

9. (Currently Amended) The apparatus of claim ~~7~~ 6, wherein the ~~sides of the buoyant enclosure are configured to be at an incline set at an angle in the range of~~ ranging decline angle is configured to be substantially between about 30° and 45°.

10. (Currently Amended) The apparatus of claim 1, wherein the plurality of electrodes comprises at least ~~two~~ three electrodes configured to include at least two outer electrodes and at least one center electrode, the at least one center electrode configured to be bipolar.

11. (Currently Amended) The apparatus of claim 1, ~~wherein the plurality of electrodes comprises a metal electrode coated with an oxidizer coating thereby configured to resist the formation of scale, and prevent corrosion~~ further comprising an oxidizer coating on each electrode, the oxidizer coating configured to resist the formation of scale on the electrodes and prevent corrosion of the electrodes.

12. (Currently Amended) The apparatus of claim ~~1~~ 22, wherein the power source comprises a replaceable power supply.

13. (Currently Amended) The apparatus of claim ~~1~~ 22, wherein the power source comprises a renewable power supply.

14. (Original) The apparatus of claim 13, wherein the renewable power supply comprises a photovoltaic solar panel.

15. (Original) The apparatus of claim 13, wherein the renewable power supply comprises a plurality of photovoltaic solar panels.

16. (Currently Amended) The apparatus of claim 15, wherein the plurality of photovoltaic solar panels comprise a centrally situated solar panel and a plurality of side solar panels, one situated on each side of ~~the polyhedron-shaped~~ a polyhedron-shaped buoyant enclosure.

17. (Cancelled)

18. (Currently Amended) The apparatus of claim 17 ~~3~~, wherein the polarity-reversing module is further configured to reverse the polarity of the electrodes at a selected time interval.

19. (Currently Amended) The apparatus of claim 17 ~~3~~, wherein the polarity-reversing module comprises a timing circuit configured to provide an input to a plurality of contact relays to reverse the polarity applied to the plurality of electrodes at every occurrence of the selected time interval.

20. (Currently Amended) The apparatus of claim 19, wherein the selected time interval is in a range ~~from~~ substantially between ~~about~~ 1 to ~~72~~ 24 hours.

21. (Cancelled)

22. (Currently Amended) An apparatus for the generation of sanitizing chemicals, the apparatus comprising:

a buoyant enclosure configured to ~~be capable of free floating within~~ float freely on a body of water;

a plurality of electrodes extending outward from the buoyant enclosure, the electrodes configured to generate chlorine from salt dissolved in water; and

a power source configured to transmit power to the plurality of electrodes; and
an oxidizer coating on each electrode, the oxidizer coating configured to resist the formation of chemical accumulation on the electrodes and prevent corrosion of the electrodes.

~~a plurality of photovoltaic solar panels disposed within the buoyant enclosure.~~

23. (New) The apparatus of claim 22, wherein the oxidizer coating comprises platinum.